

[illegible]

FIG. 1 is a cross-sectional view of a multi-layered composite structure. The top layer (4) contains a grid pattern (20). Below it is a core layer (16) with internal features (38, 50, 74, 72, 14). The bottom layer (28) also has a grid pattern (36). Various other layers and interfaces are labeled with numbers like 24, 55, 47, 37, 53, 56, 43, 5, 6, 18, 58, 70, 34.

FIG.4

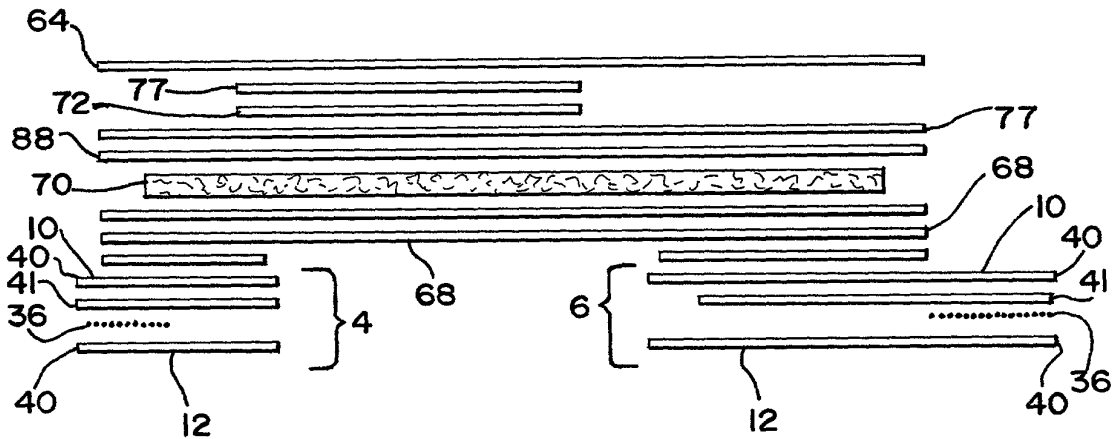


FIG.5

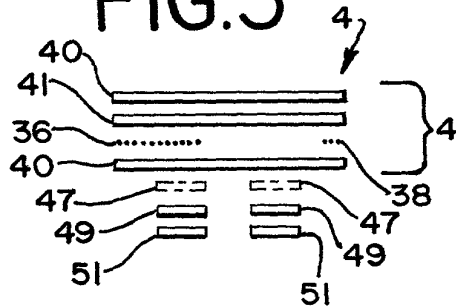


FIG.6

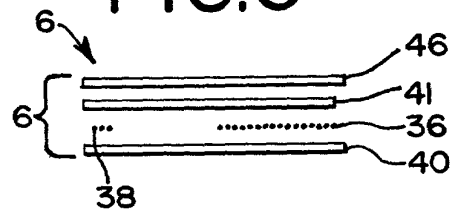
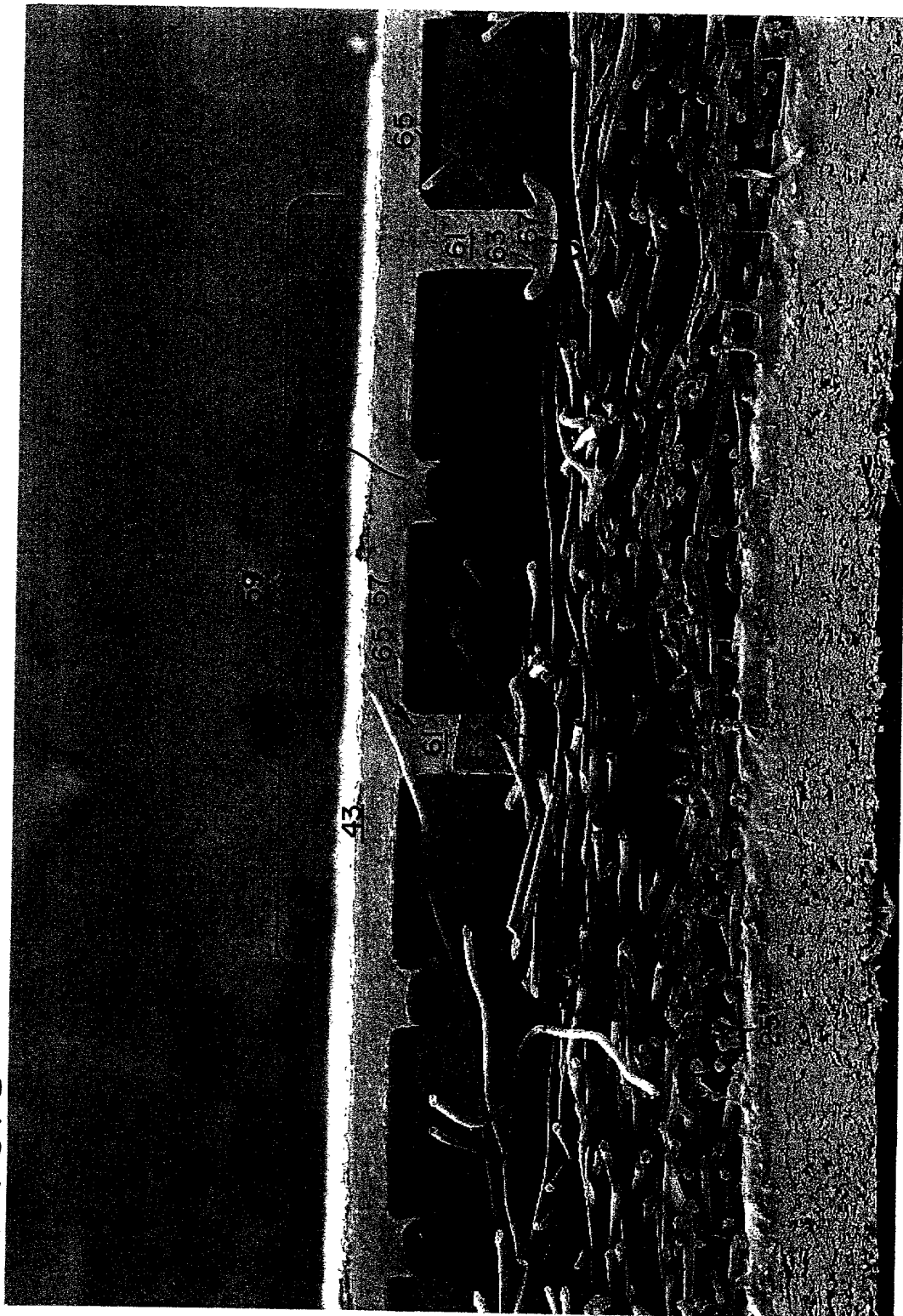


FIG. 7



FIG. 8



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FIG.9

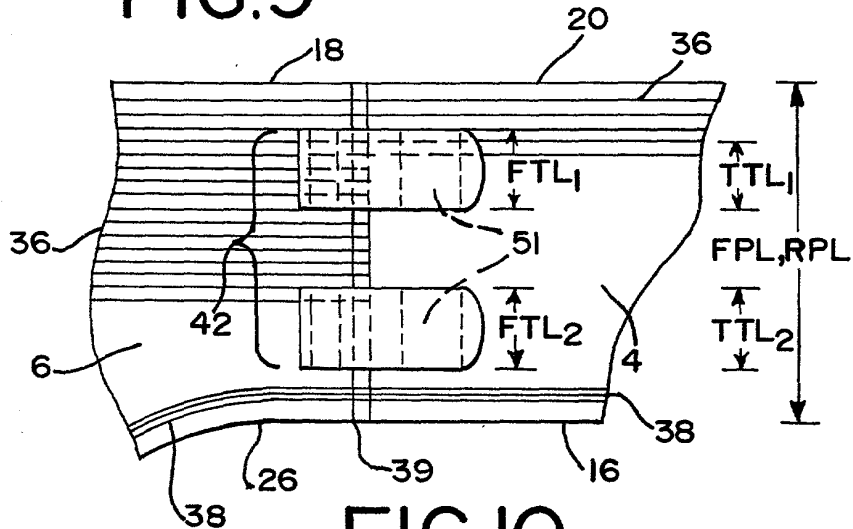


FIG.10

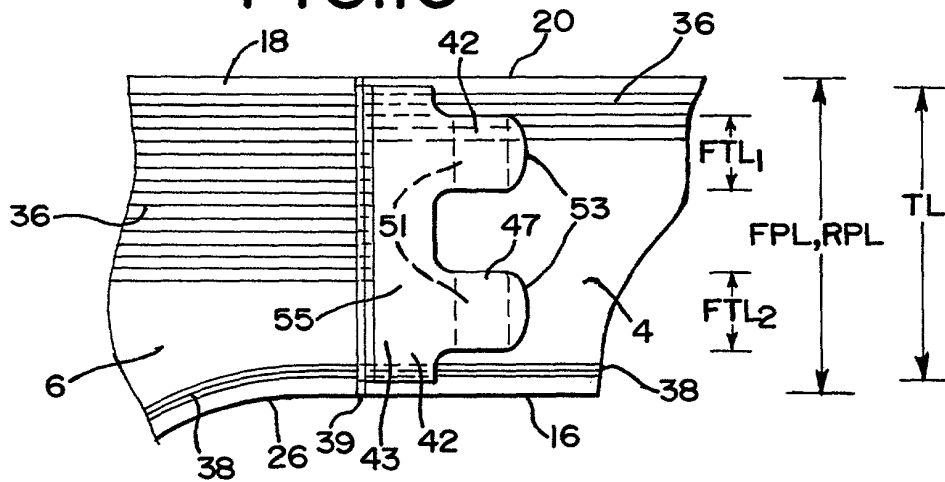
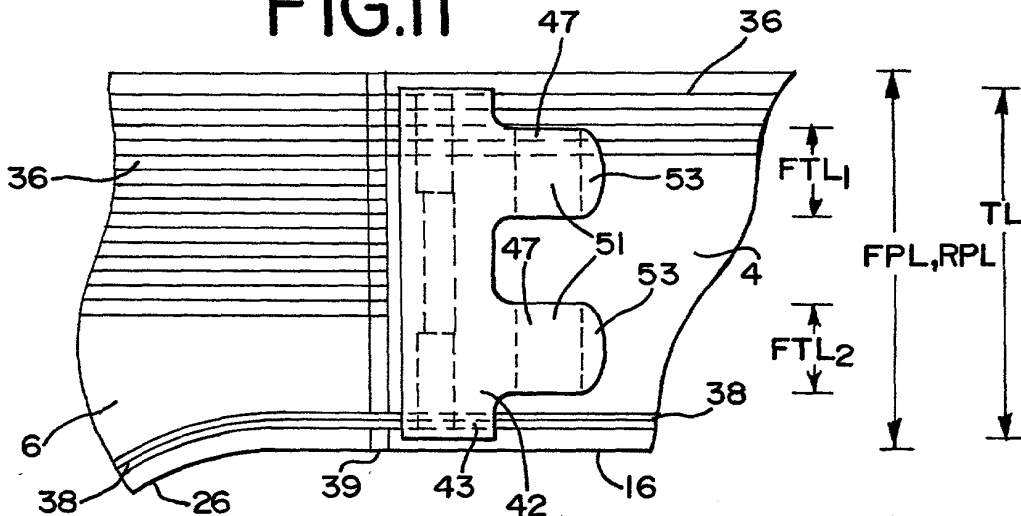


FIG.11



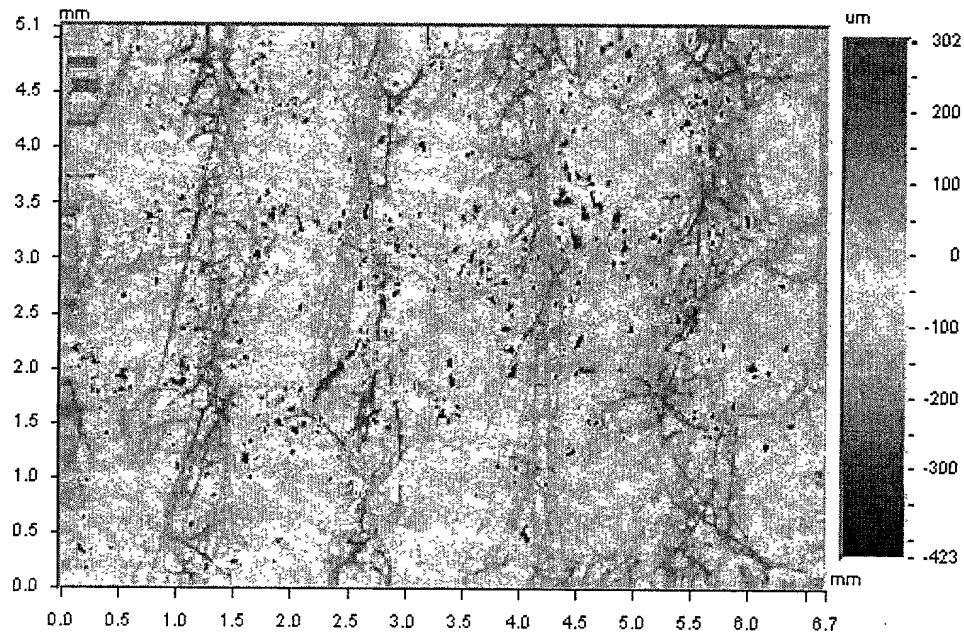


FIG.12

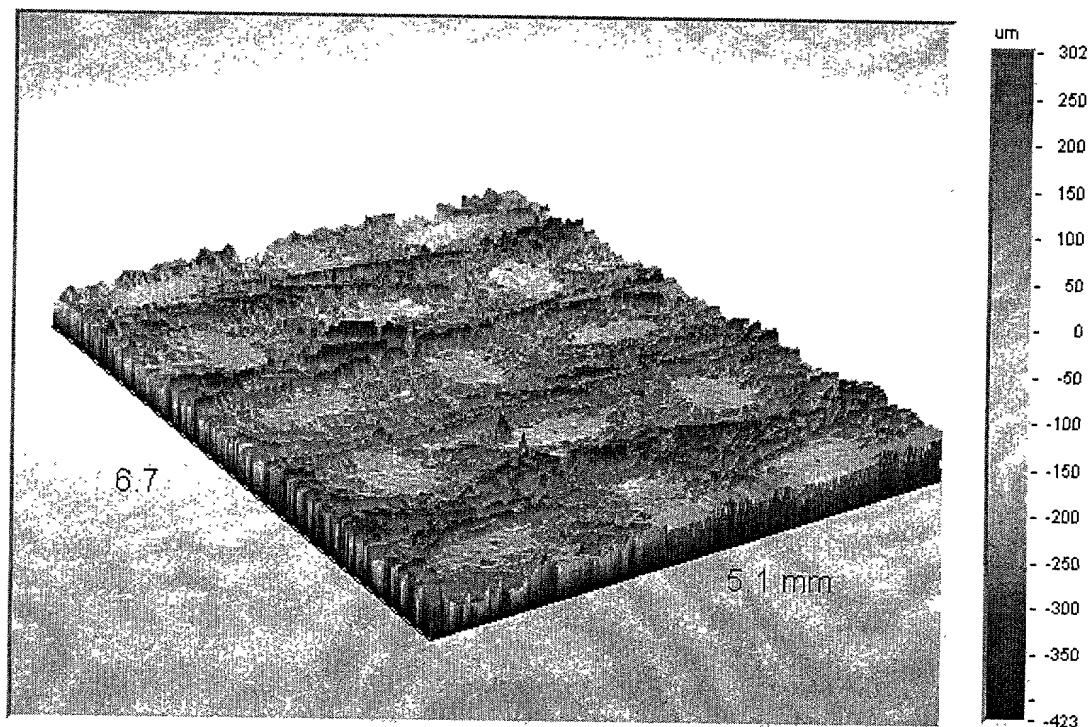


FIG.13



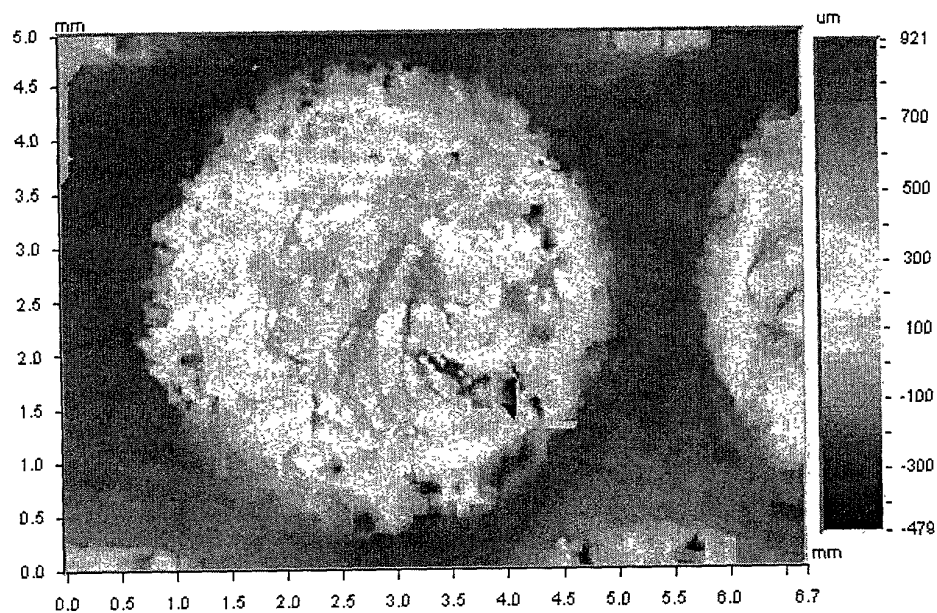


FIG.14

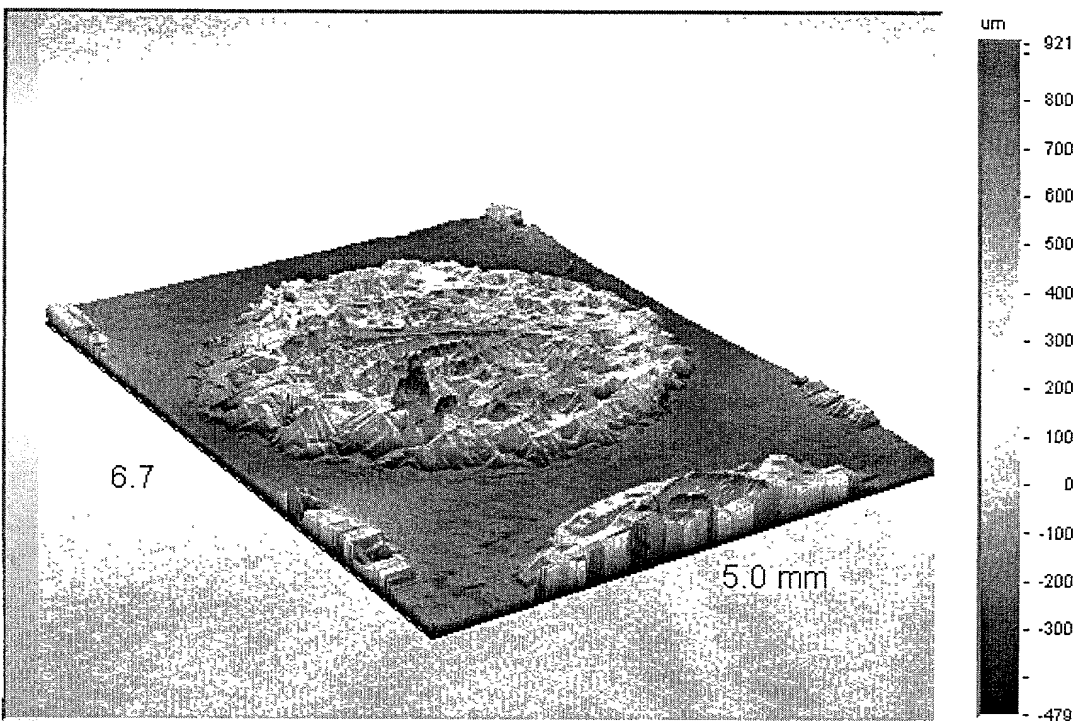


FIG.15

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FIG.16

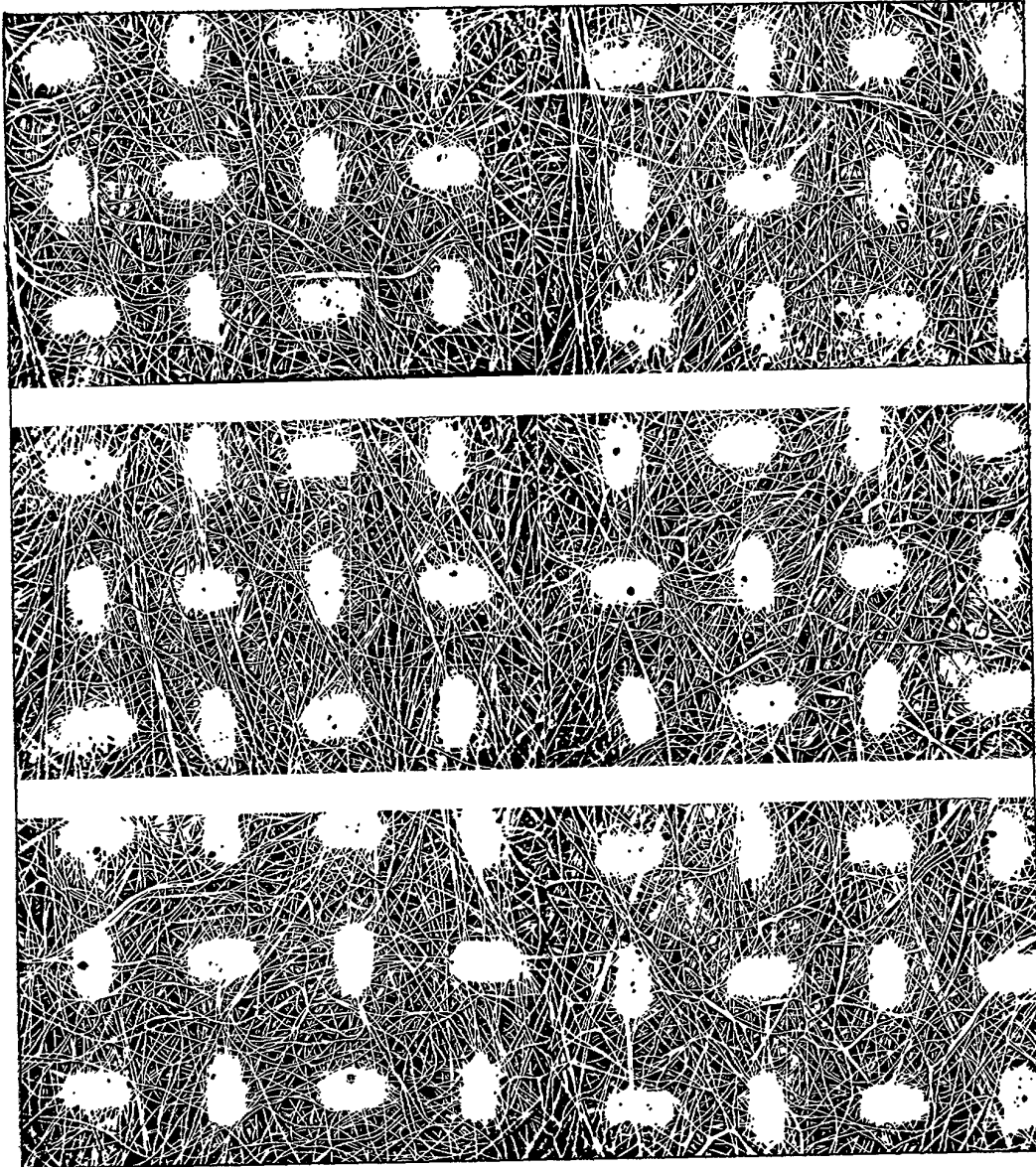
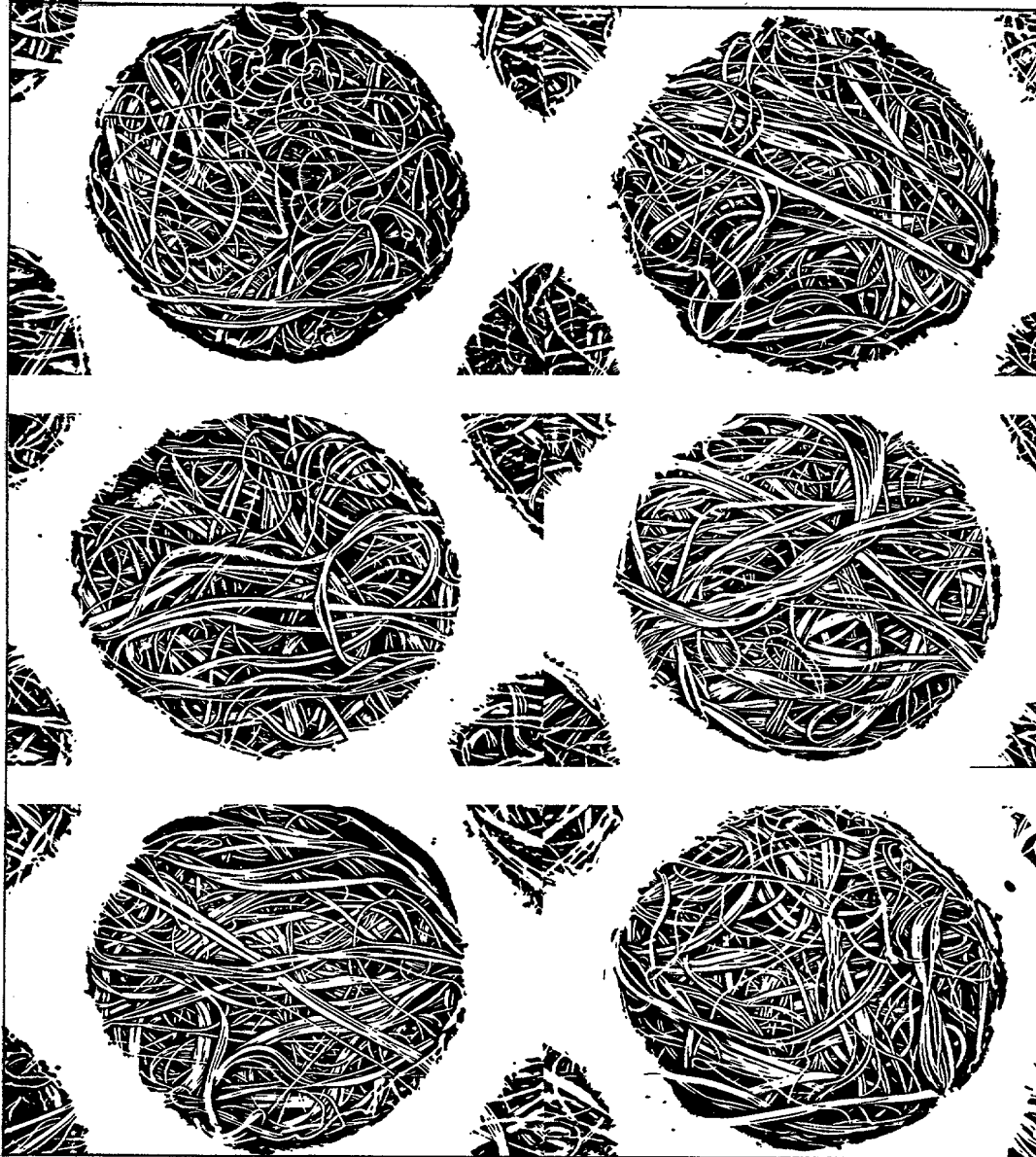


FIG.17



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